

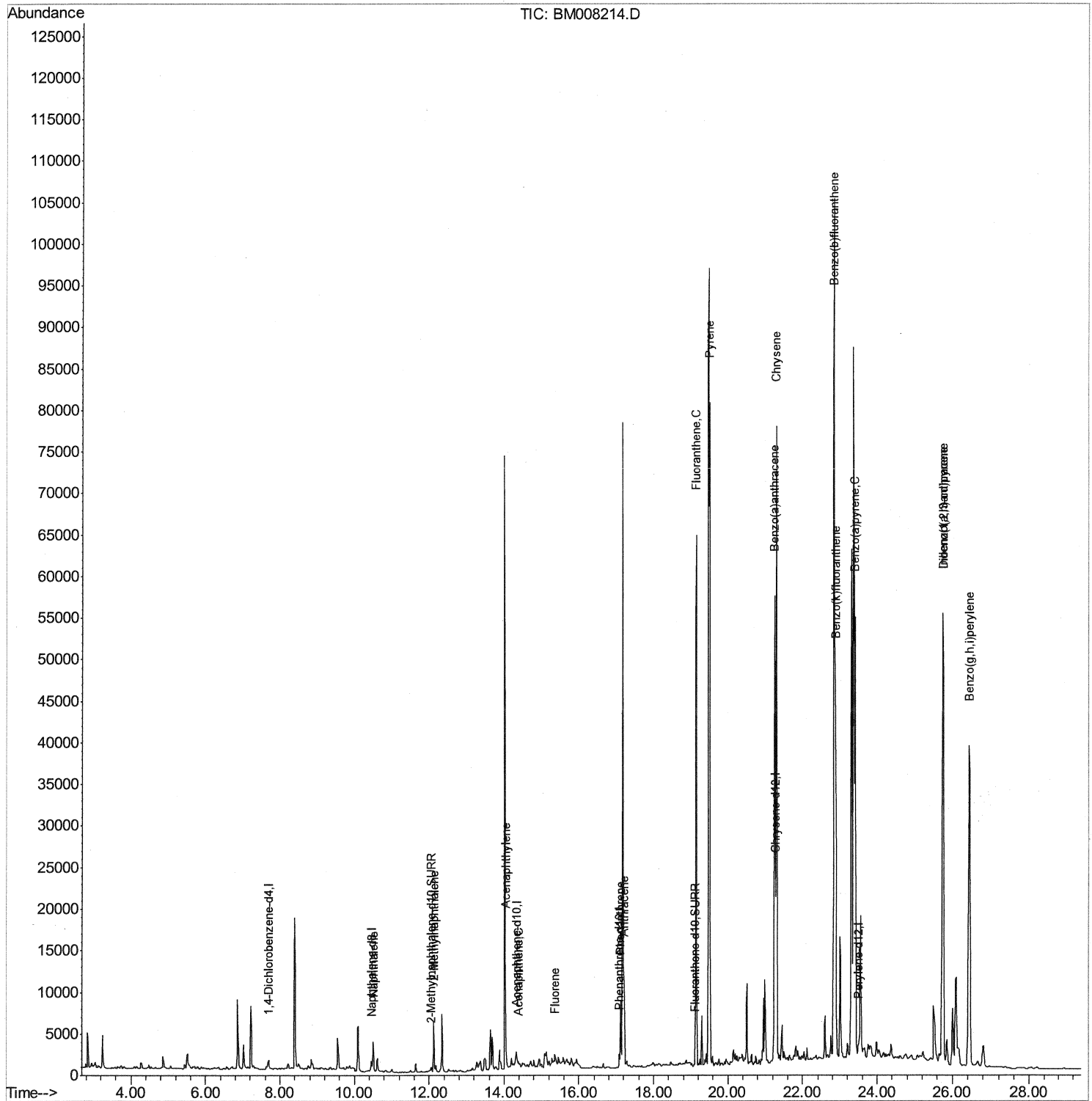
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008214.D
Acq On : 09 Dec 2016 20:28
Operator : UM/SJ
Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:49:28 PM

Quant Time: Dec 10 04:26:31 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 00:42:03 2016
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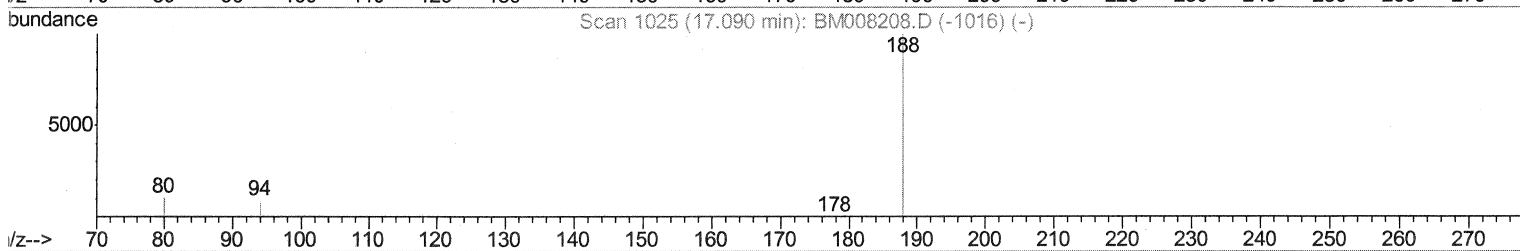
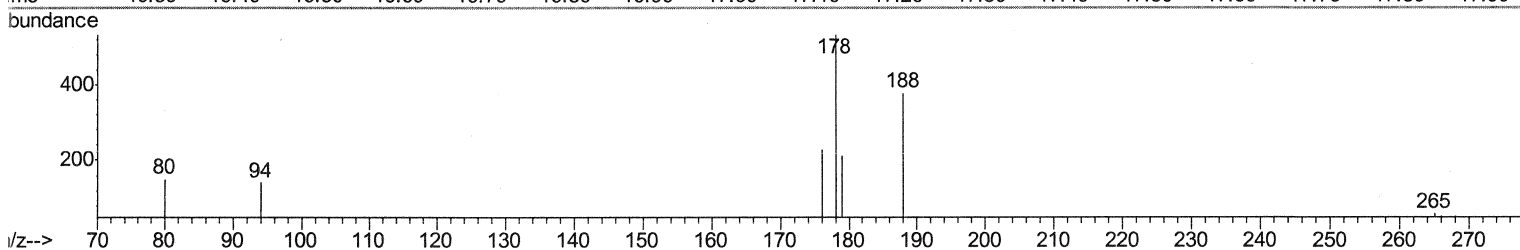
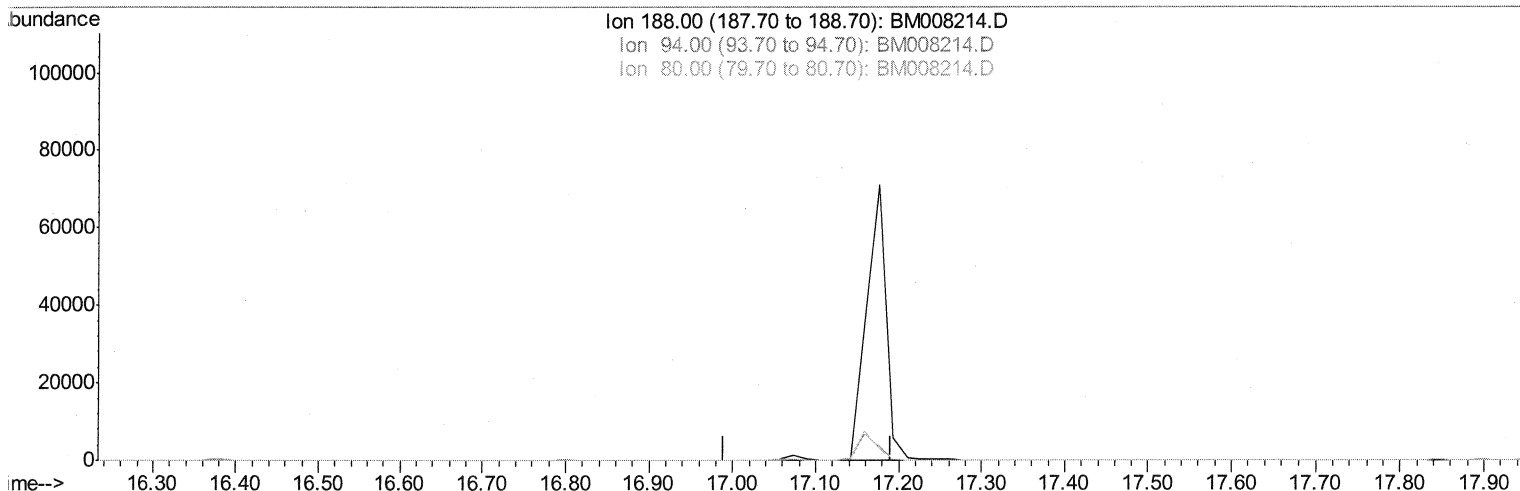
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Manual Integrations
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UMANGI
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Quant Time: Dec 10 00:45:27 2016
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TIC: BM008214.D

(10) Phenanthrene-d10 (I)

17.090min (-17.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	11.00	0.00#
80.00	11.80	0.00#
0.00	0.00	0.00

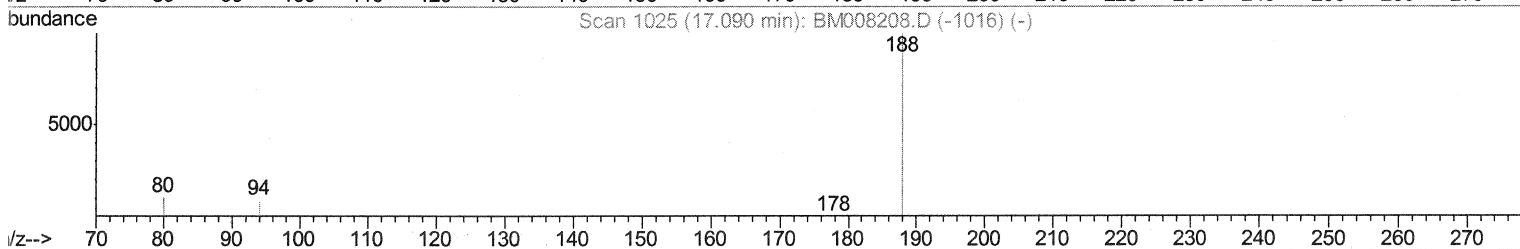
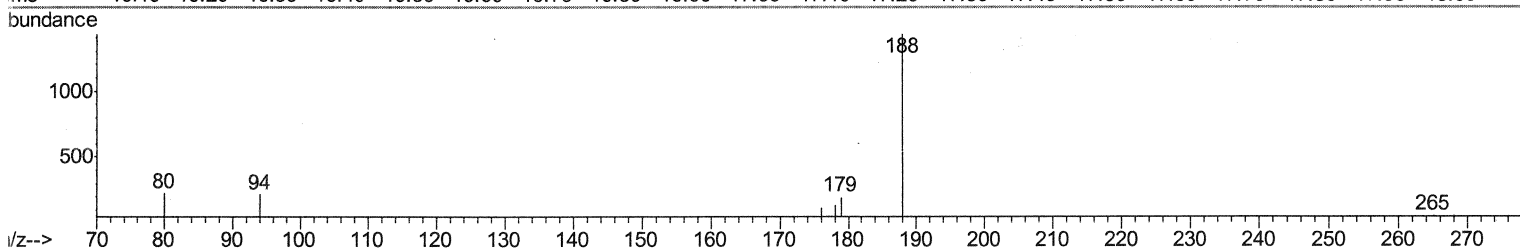
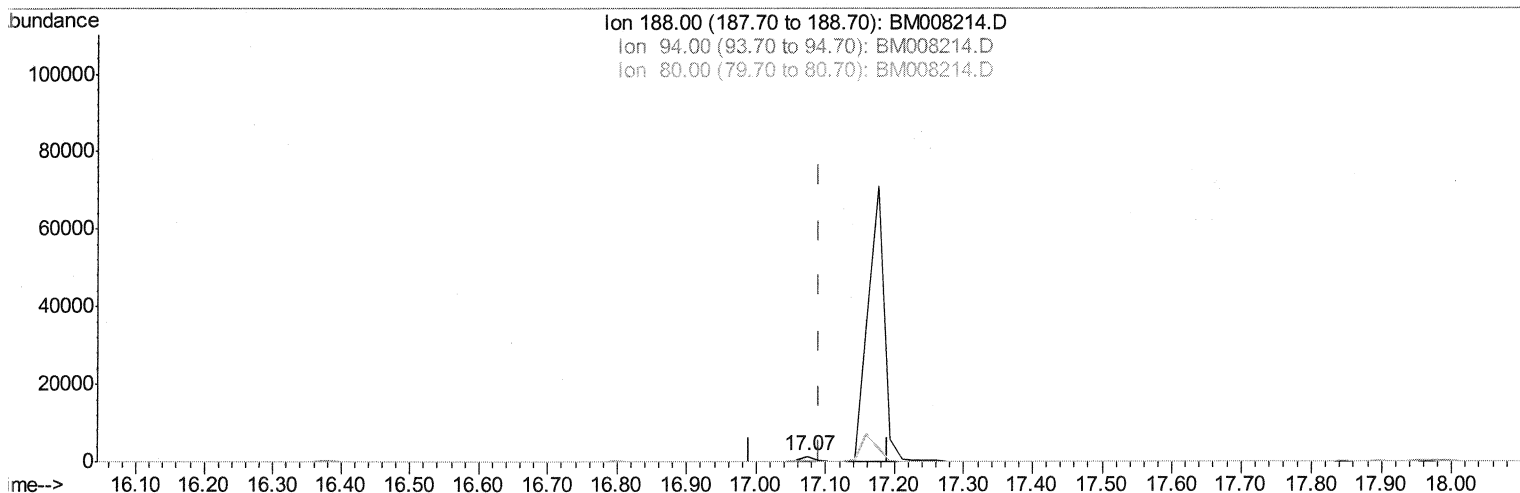
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Misc :
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Instrument :
BNA_M
ClientSampled :
DA7Y8

Manual Integrations
APPROVED

UMANGI
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TIC: BM008214.D

(10) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40ng/ul m

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response 1951

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.02#
80.00	11.80	15.79#
0.00	0.00	0.00

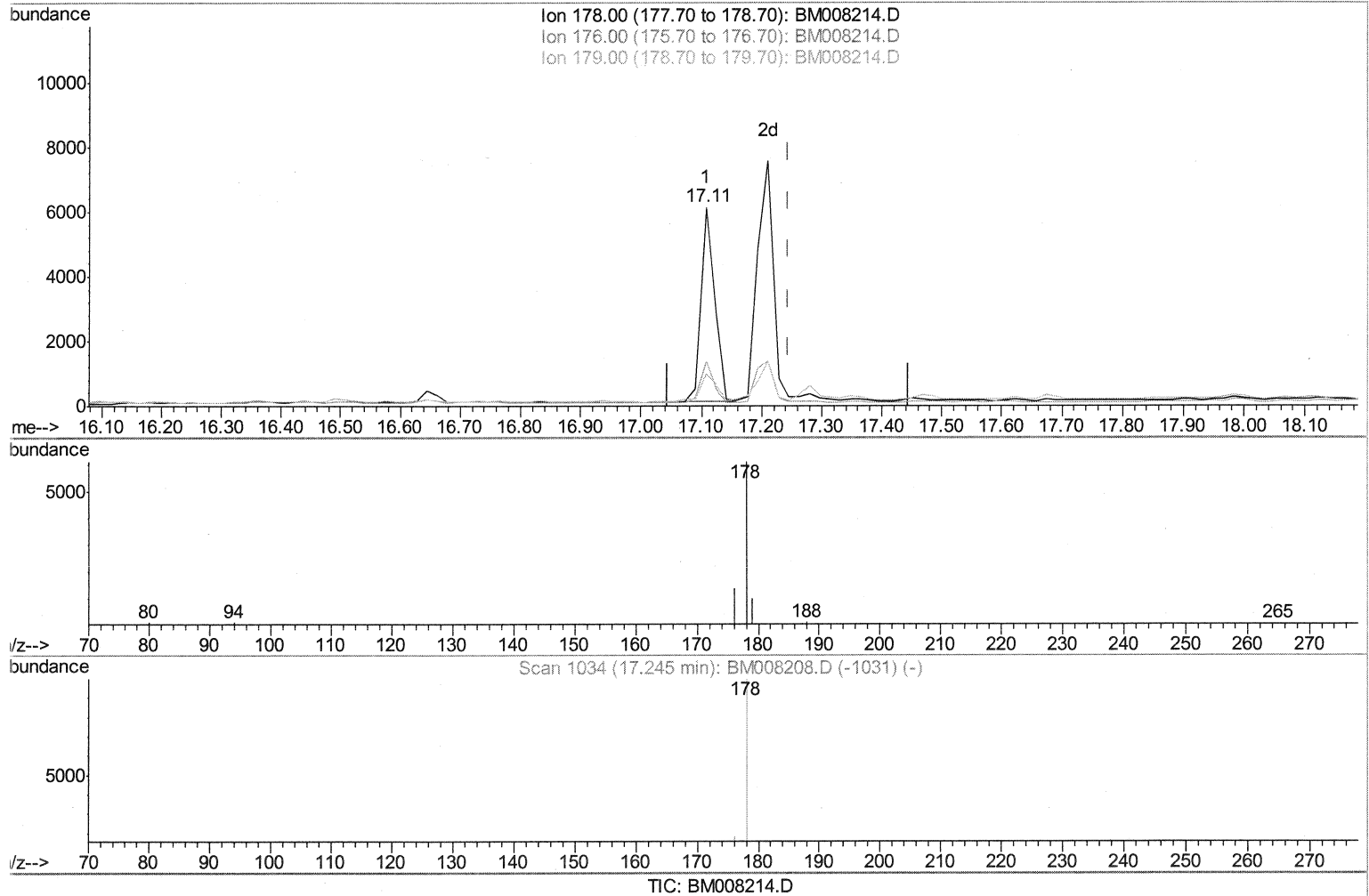
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Data File : BM008214.D
Acq On : 09 Dec 2016 20:28
Operator : UM/SJ
Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:49:28 PM

Quant Time: Dec 10 04:24:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 00:42:03 2016
Response via : Initial Calibration



(13) Anthracene

17.108min (-0.137) 1.66ng/ul

response 9488

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	22.37
179.00	18.40	16.32
0.00	0.00	0.00

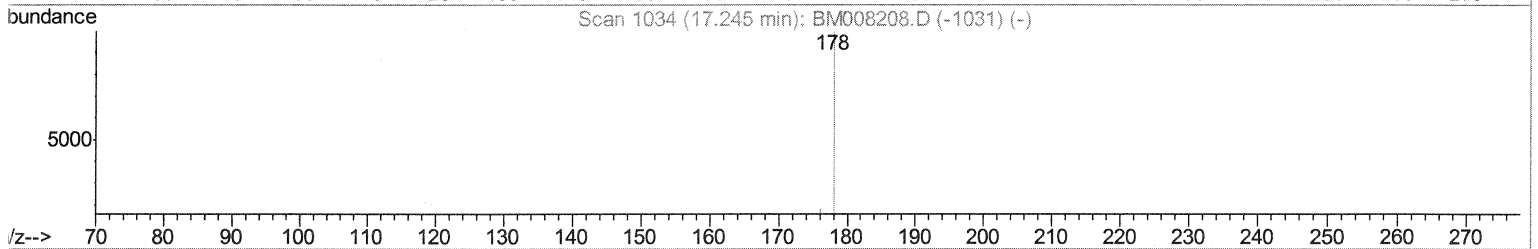
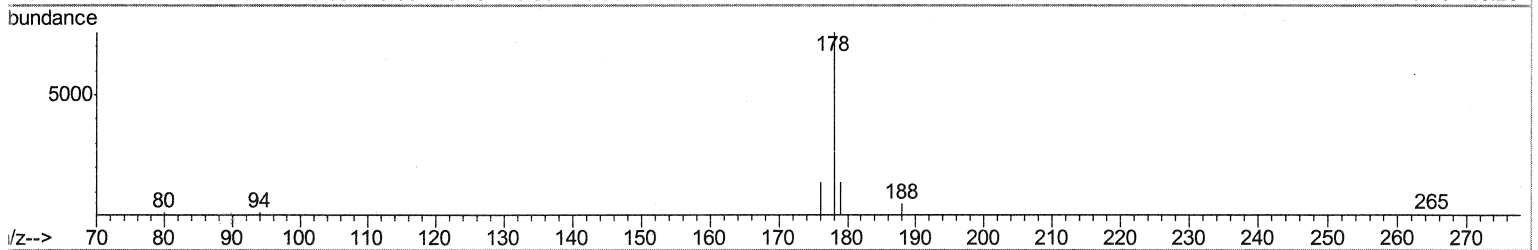
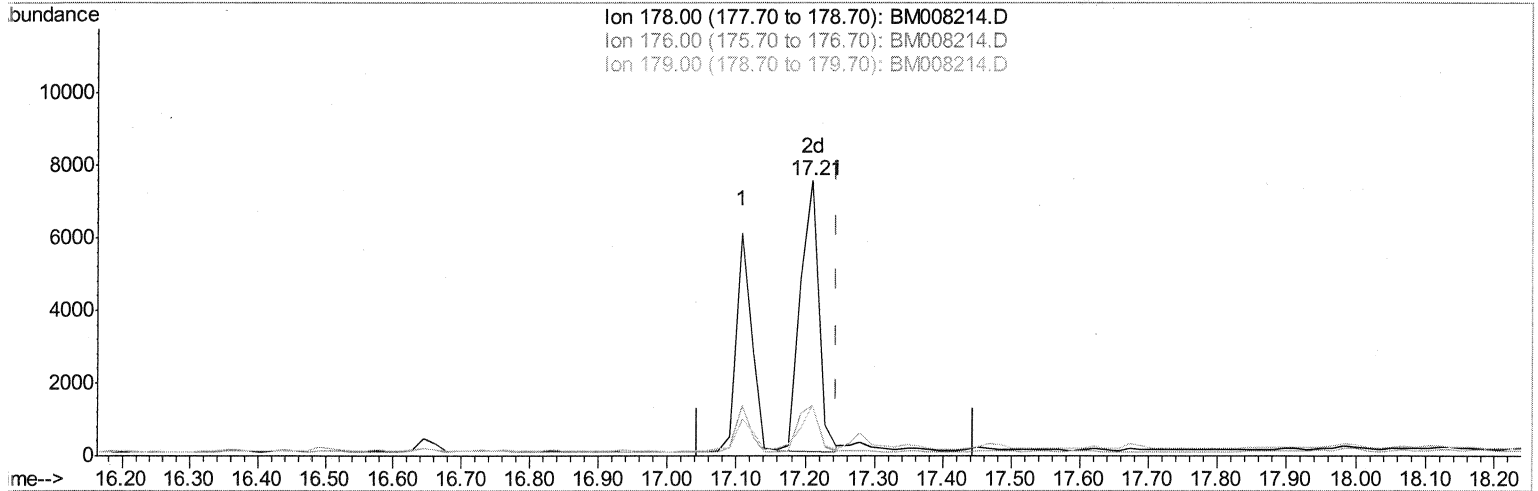
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
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Acq On : 09 Dec 2016 20:28
Operator : UM/SJ
Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: BM008214.D

(13) Anthracene

17.210min (-0.034) 2.40ng/ul m

SJ 12/12/16

response 13682

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	18.07#
179.00	18.40	18.07
0.00	0.00	0.00

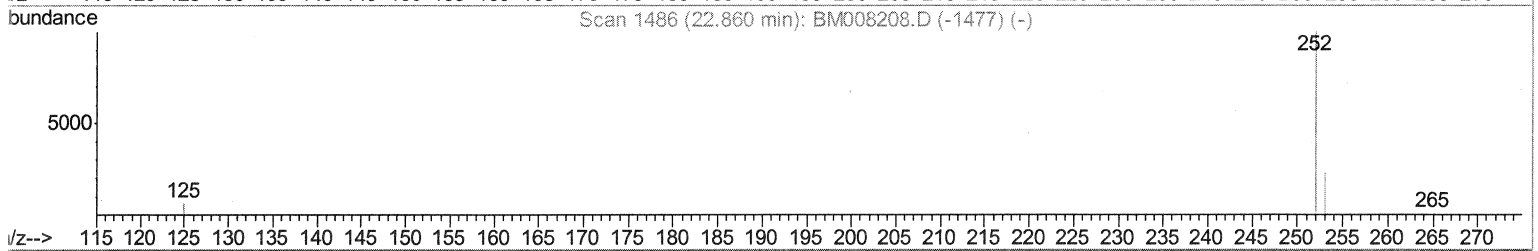
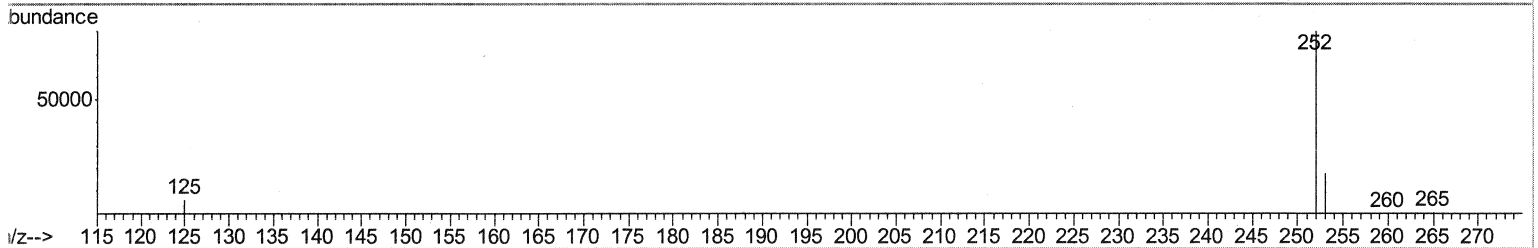
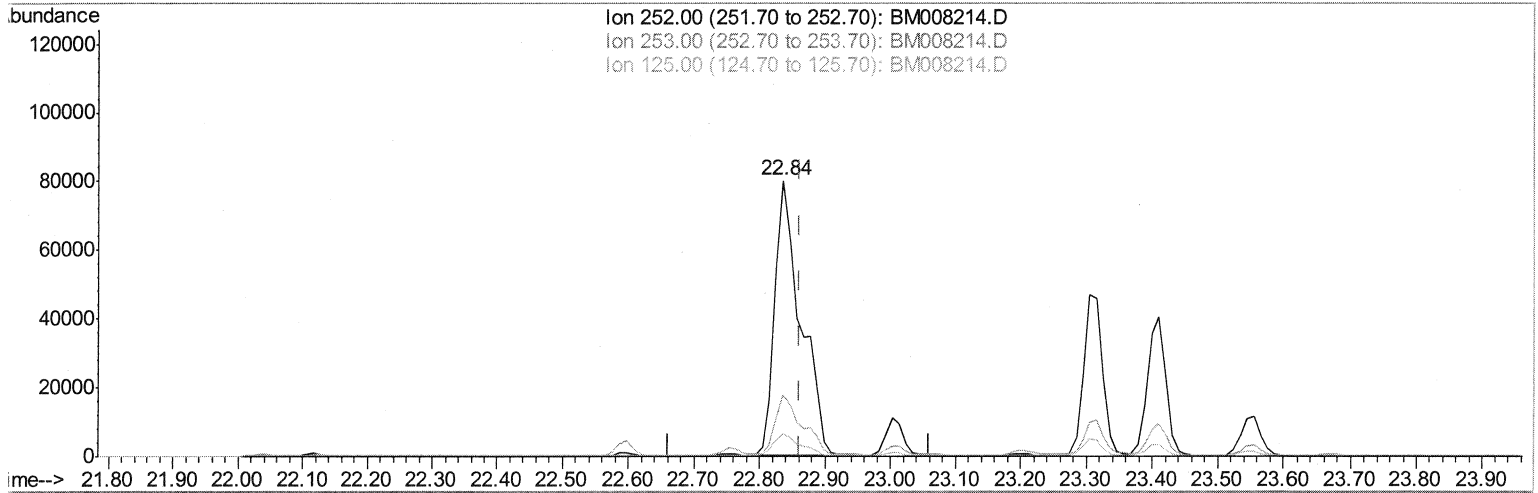
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Operator : UM/SJ
Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8

Manual Integrations
APPROVED

UMANGI
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TIC: BM008214.D

(21) Benzo(b)fluoranthene

22.836min (-0.024) 25.84ng/ui

response 216456

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.39
125.00	17.50	8.01
0.00	0.00	0.00

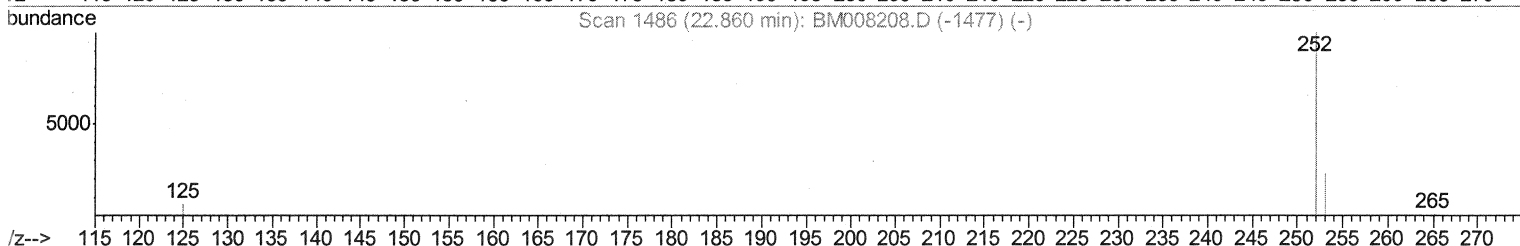
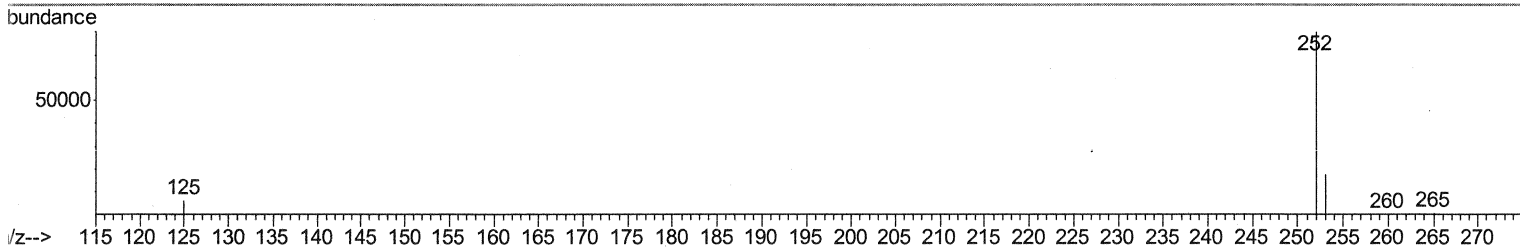
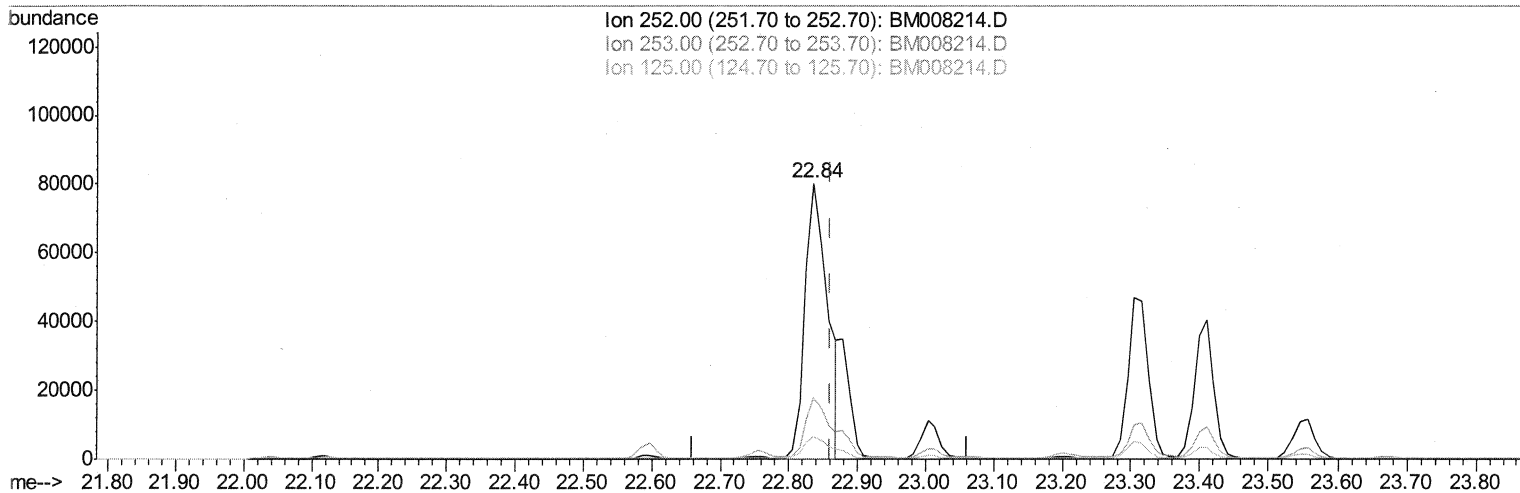
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008214.D
 Acq On : 09 Dec 2016 20:28
 Operator : UM/SJ
 Sample : H5863-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y8

Manual Integrations
 APPROVED

UMANGI
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Quant Time: Dec 10 04:24:39 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 00:42:03 2016
 Response via : Initial Calibration



TIC: BM008214.D

(21) Benzo(b)fluoranthene

22.836min (-0.024) 21.80ng/ul m

SJ 12/12/16

response 182632

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.39
125.00	17.50	8.01
0.00	0.00	0.00

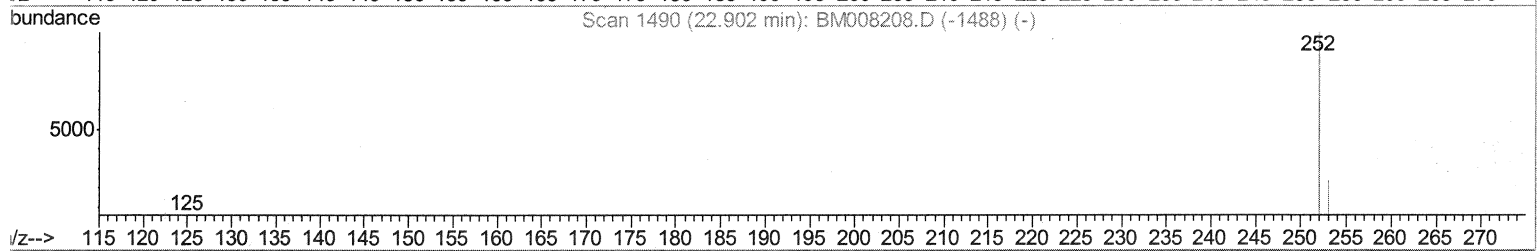
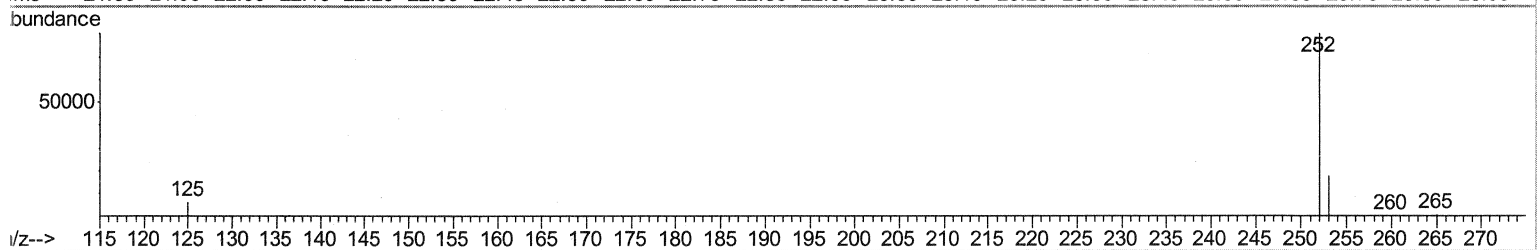
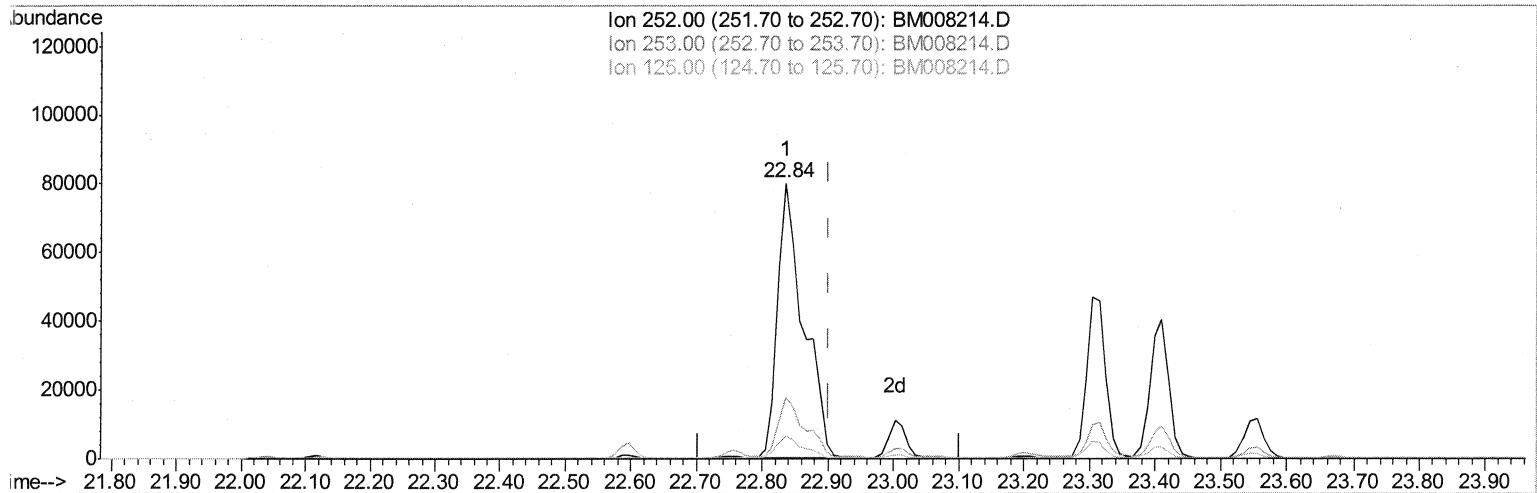
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Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8

Manual Integrations
APPROVED

UMANGI
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TIC: BM008214.D

(22) Benzo(k)fluoranthene

22.836min (-0.066) 25.05ng/ul

response 216456

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.39#
125.00	17.10	8.01#
0.00	0.00	0.00

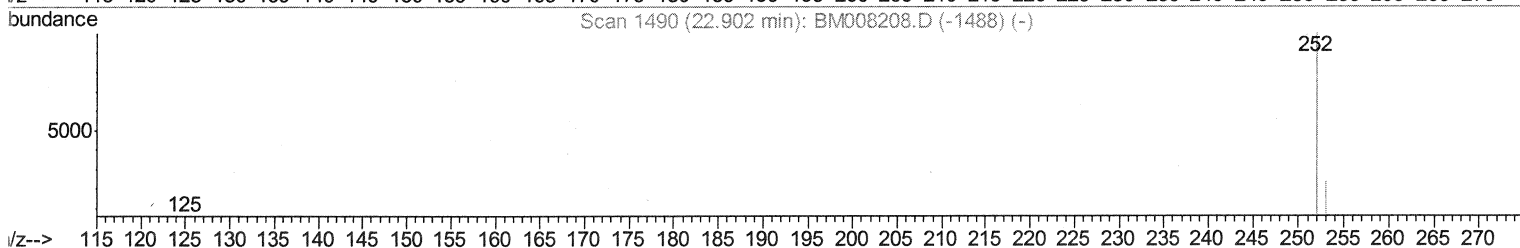
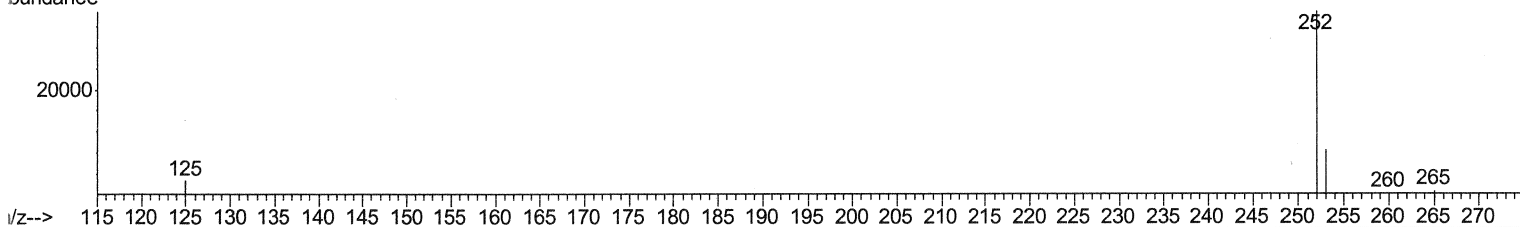
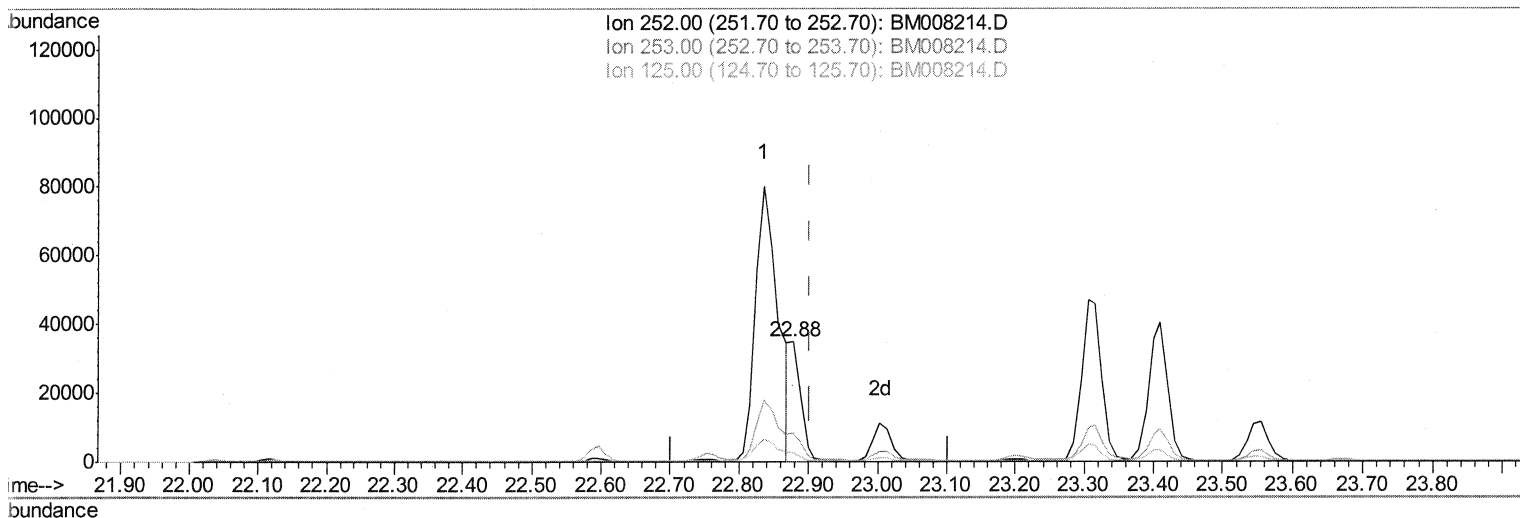
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Acq On : 09 Dec 2016 20:28
Operator : UM/SJ
Sample : H5863-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
DA7Y8

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:49:28 PM

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TIC: BM008214.D

(22) Benzo(k)fluoranthene

22.878min (-0.024) 4.30ng/ul m

SJ 12/12/16

response 37177

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.46#
125.00	17.10	7.55#
0.00	0.00	0.00

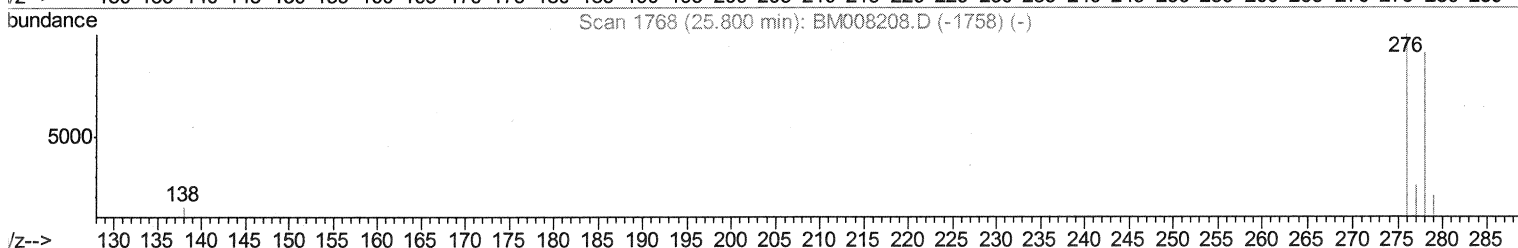
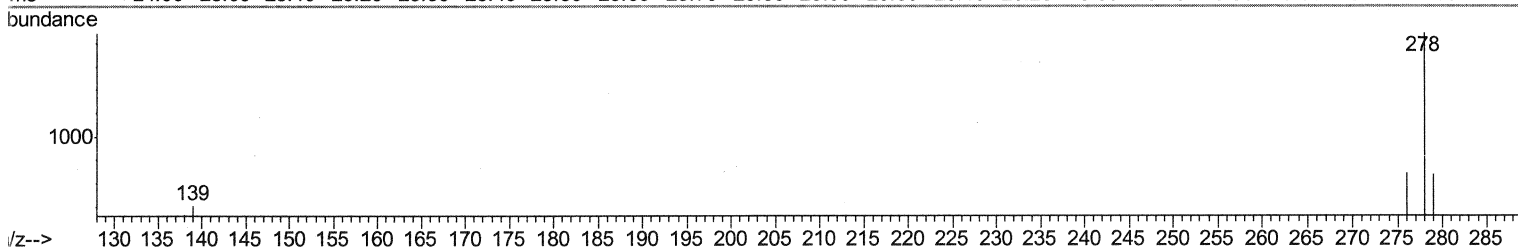
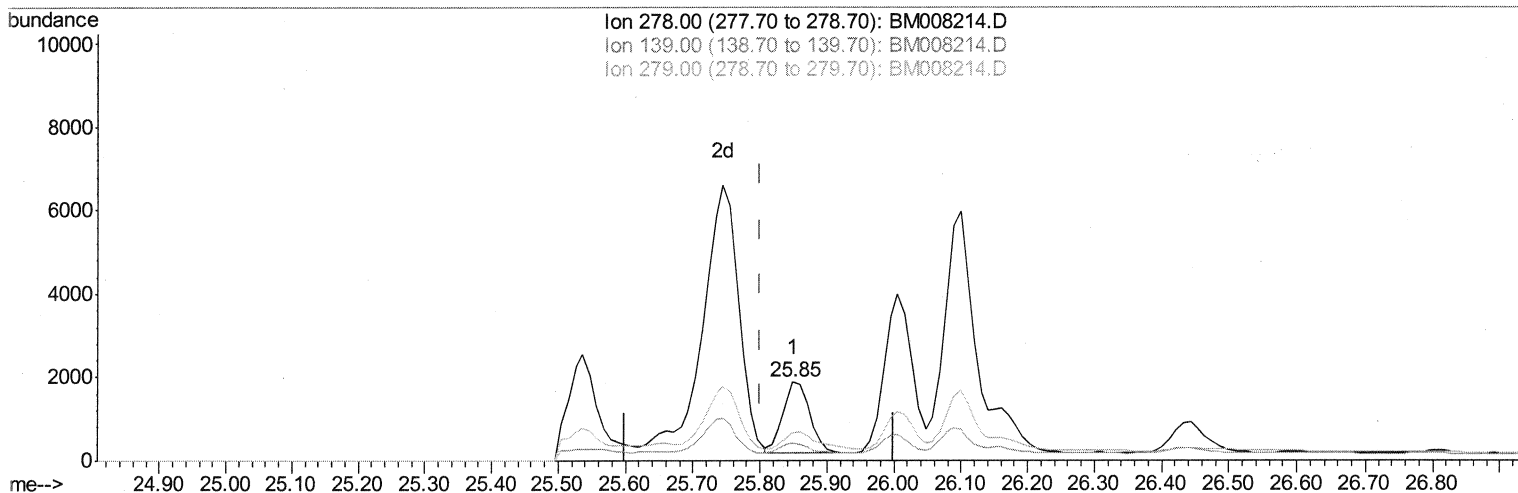
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Manual Integrations
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UMANGI
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TIC: BM008214.D

(25) Dibenzo(a,h)anthracene

25.849min (+0.049) 0.62ng/ul

response 4843

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	21.80
279.00	32.40	35.86
0.00	0.00	0.00

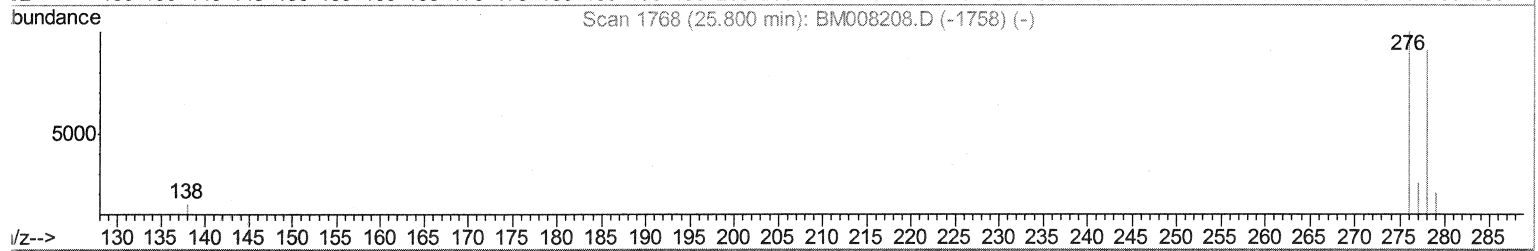
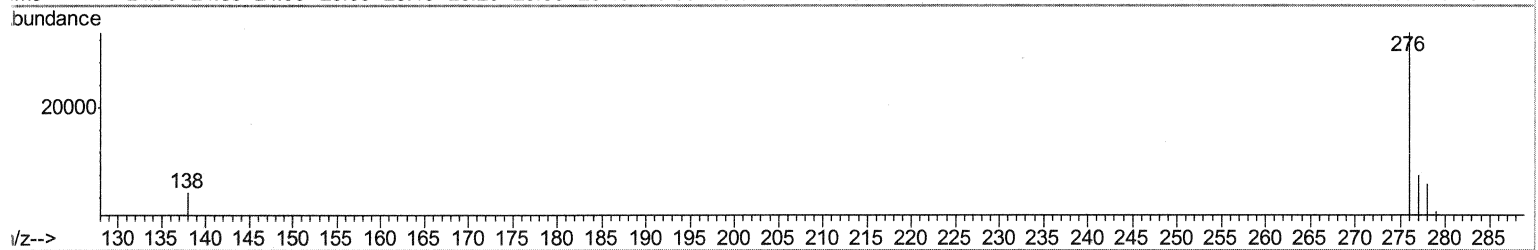
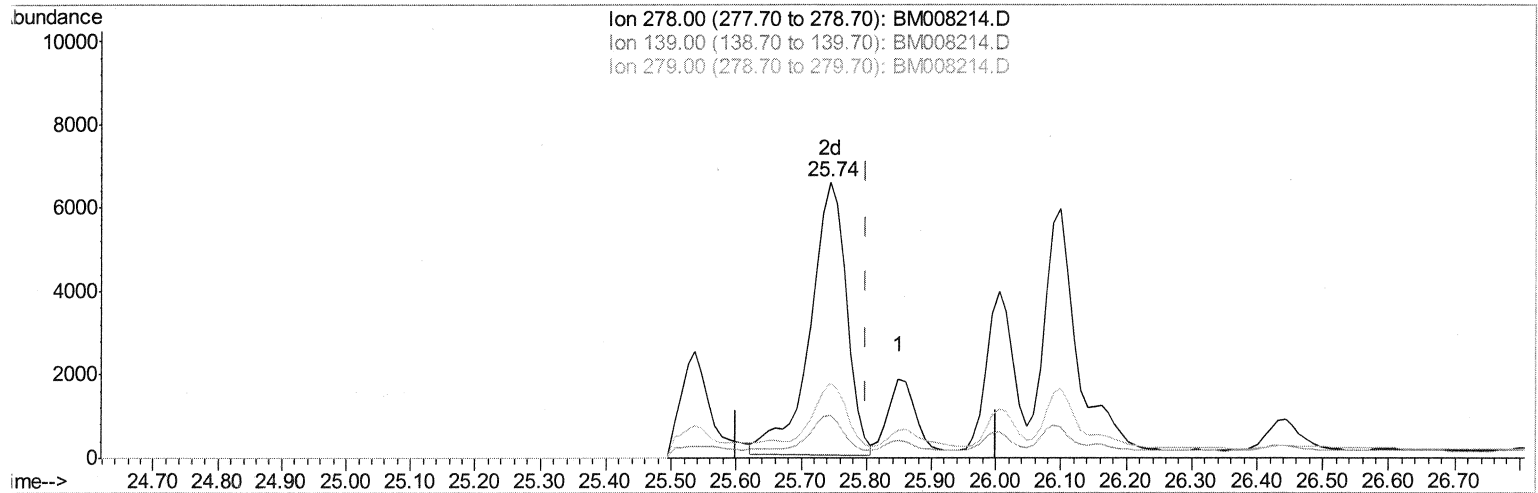
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampled :
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Manual Integrations
APPROVED

UMANGI
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(25) Dibenzo(a,h)anthracene

25.745min (-0.056) 3.27ng/ul m SJ 12/12/16

response 25429

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	15.33#
279.00	32.40	26.84
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	578	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1785	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1137	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1951m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2431	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2099	0.40	ng/ul	-0.02

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	727	0.29	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	2078	0.38	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	5019	1.01	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	4676	1.45	ng/ul	98
7) Acenaphthylene	14.04	152	15739	3.06	ng/ul	96
8) Acenaphthene	14.38	153	774	0.20	ng/ul#	91
9) Fluorene	15.38	166	789	0.18	ng/ul#	55
12) Phenanthrene	17.11	178	9728	1.60	ng/ul	99
13) Anthracene	17.21	178	13682m	2.40	ng/ul	94
15) Fluoranthene	19.14	202	69708	8.89	ng/ul	96
17) Pyrene	19.51	202	78742	9.33	ng/ul	96
18) Benzo(a)anthracene	21.25	228	52288	7.01	ng/ul	96
19) Chrysene	21.30	228	82419	8.88	ng/ul	95
21) Benzo(b)fluoranthene	22.84	252	182632m	21.80	ng/ul	76
22) Benzo(k)fluoranthene	22.88	252	37177m	4.30	ng/ul	91
23) Benzo(a)pyrene	23.41	252	76663	9.77	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.74	276	89122	9.19	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.74	278	25429m	3.27	ng/ul	
26) Benzo(g,h,i)perylene	26.43	276	82139	9.54	ng/ul#	

SJ 12/12/16

SJ 12/12/16

SJ 12/12/16

(#) = qualifier out of range (m) = manual integration (+) = signals summed